

**Melvin Price Locks and Dam UMR Mile 201**  
**Auxiliary Miter Gate Failure**  
**Weekly Status Report**  
**3 February 2005**

**General Description:** On 3 Oct 2004 the downstream miter gates on the auxiliary lock at Melvin Price Locks & Dam traveled past the mitered position, causing severe damage to the gates.

**Tows Waiting:** Traffic is being passed through the main chamber and no abnormal backlogs are occurring.

**Communication Plan:** The district has set up a web page for this incident that can be accessed through ([www.mvs.usace.army.mil](http://www.mvs.usace.army.mil)).

**Risk Assessment & Mitigation Plan:** A minor repair to the Missouri filling valve in the main chamber will not effect lock operation.

**Helper Boat on Site:** A government-furnished helper boat is on station. All approaching commercial tows are required to use the assistance of this boat at the direction of the Lockmaster to minimize the potential for damage to the main chamber.

**Actions Performed This Week at the Service Base by the Combined Team Crews:**

- \* Installed temporary enclosures for repairs in different locations on miter gates.
- \* Move one of the temporary enclosures from the IL gates for removal of lower diagonal plates.
- \* Start prepping diagonal plate area for new material. 50% completed for the MO gate.
- \* Start prepping diagonal plate area for new material. 25% completed for the IL gate.
- \* 50% of rail for the environmental enclosure is complete.
- \* 50% of safety handrails installed.

**Actions Scheduled Next Week at the Service Base:**

- \* Continue prepping barge for installation of environmental enclosure.
- \* Continuous repairs to lower seals.
- \* Move temporary closures to the IL gates for removal of lower diagonal plates.
- \* Start the layout and fabrication for the removable seal on the IL leaf.
- \* Start the assembly of the environmental enclosure.
- \* Continue prepping for diagonal plates on both IL & MO leafs.
- \* Installing safety handrails around the repair barge.

**Upcoming Significant Project Events:**

- \* Heat Straightening Contract to be awarded this week.
- \* Environmental Enclosure to be delivered in two stages to Service Base. The first stage will be delivered next week with second stage to follow.
- \* Debris removal Task Order issued and work started for clearing Auxiliary Lock upper sill area.
- \* Gate Stop construction contract awarded 25 January.



Combined Team member Ed Fox (Dredge POTTER Seasonal staffer) cuts damaged steel from bottom of IL leaf at the Service Base.



Combined Team member Bob Vaughn (Dredge POTTER Seasonal staffer) welding steel rail for environmental enclosure foundation on repair barge at the Service Base.